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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/081,751	02/22/2002	Thomas E. Willis	ITL.0630US	9398
7590 11/01/2005		EXAMINER		
Timothy N. Trop			TRAN, HENRY N	
TROP, PRUNER & HU, P.C. STE. 100			ART UNIT	PAPER NUMBER
8554 KATY FWY HOUSTON, TX 77024-1841			2674	
			DATE MAILED: 11/01/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/081,751	WILLIS ET AL.			
		Examiner	Art Unit			
		Henry N. Tran	2674			
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICATION OF THE MAILING Ensions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period for the toreply within the set or extended period for reply will, by statustic treply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION  136(a). In no event, however, may a reply be tire  I will apply and will expire SIX (6) MONTHS from te, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. ED (35 U.S.C. § 133).			
Status						
1) 又	Responsive to communication(s) filed on 18.	July 2005.				
	This action is <b>FINAL</b> . 2b) This action is non-final.					
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
,	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Dispositi	ion of Claims					
4)⊠	)⊠ Claim(s) <u>1-30</u> is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)🛛						
6)□	Claim(s) is/are rejected.					
7)🖂	Claim(s) <u>6,19,20 and 29</u> is/are objected to.					
	Claim(s) are subject to restriction and/or election requirement.					
Applicati	ion Papers					
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority ι	under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
	1. Certified copies of the priority documents have been received.					
	2. Certified copies of the priority documents have been received in Application No					
	3. Copies of the certified copies of the priority documents have been received in this National Stage					
* 0	application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for a list of the certified copies not received.					
3	see the attached detailed Office action for a lis	t or the certified copies not receive	ea.			
Attachmen		□ <u>.</u>	(DTO 440)			
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Paper No(s)/Mail Date						
3) 🔲 Infor	3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  5) Notice of Informal Patent Application (PTO-152)					
Paper No(s)/Mail Date 6) Uther:						

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## **DETAILED ACTION**

1. The Appeal Brief filed 7/18/05 has been fully considered in preparing this Office action. Applicants' arguments provided in the Brief have overcome the objections and rejections recited in the prior Office action mailed 3/24/05. However, upon reviewing the claimed invention, the reviewing results as follows.

## Claim Objections

2. Claims 6, 19, 20 and 29 are objected to because of the following informalities: the use of the word "programmbally" in lines 1, 4, and 3 of claims 6, 19, and 20, respectively, which is believed editorial errors. The word "programmbally" should be changed to --programmably--. Appropriate correction is required.

## Allowable Subject Matter

- 3. Claims 1-5, 7-18, 21-28, and 30 are allowed.
- 4. The present invention is directed to a method and an apparatus for providing digital information for driving a display. Each independent claims 1, 11, and 21 the uniquely distinct features: "providing digital information (Fig. 5, 180) including global digital information indicative of a common reference and a local digital information (Fig. 5, 186) indicative of an optical output from at least one display element" and "determining a transition (Fig. 5, 188) separating a first pulse interval (Fig. 4A, 155a) and a second pulse interval (Fig. 4A, 155b) in a modulated signal based on the digital information". The closest prior art, Walker et al (U.S. Patent No. 5,977,942), and Worley, III et al (U.S. Patent No. 6,072,452) disclose conventional SLM devices, which use common reference voltage waveforms for providing PWM pulses;

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however, either singularly or in combination, fails to anticipate or render the above underlined limitations, which are in combination with other claimed limitations, obvious as specifically pointed out by the applicants (see pages 11-12 of the above-identified Appeal Brief).

### Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry N. Tran whose telephone number is 571-272-7760. The examiner can normally be reached on M-F 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick N. Edouard can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Henry N Tran
Primary Examiner

Henry N. Trom

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